

Serial No. 10/840,137
Art Unit: 1746

Amendments to the Claims

1. (Currently Amended) A method for flushing an uncured solvent-based paint from a spray-coating device [paint delivery installation], said method comprising contacting said uncured solvent-based paint with a composition containing less than about 5 weight percent water and comprising one or more organic solvents and at least one polymer, dissolved [therein] in said one or more organic solvents throughout said contacting and having functional groups selected from the group consisting of acid groups, amine groups and combinations and salts thereof for a time and at a temperature effective to disperse and remove said uncured solvent-based paint from said spray-coating device [paint delivery installation].
2. (Previously Presented) The method of claim 1 wherein the functional groups in at least one polymer are salts of acid groups in the form of alkyl ammonium or alkanol ammonium salts.
3. (Previously Presented) The method of claim 1 wherein at least one polymer has an acid functional equivalent weight of greater than 300 g/mole.
4. (Original) The method of claim 1 wherein said composition comprises one or more organic solvents selected from the group consisting of ketones, esters, ethers, alcohols, aliphatic hydrocarbons, and aromatic hydrocarbons.
5. (Original) The method of claim 1 wherein said composition comprises from about 0.1 to about 5 weight percent of said at least one polymer.
6. (Original) The method of claim 1, wherein said composition comprises 30 to 50 weight

Serial No. 10/840,137

Art Unit: 1746

% ketone, 35 to 55 weight % aromatic hydrocarbon, 1 to 10 weight % ester, 5 to 15 weight % alcohol, and 0.2 to 3 weight % of said polymer.

7. (Currently Amended) The method of claim 1 wherein said contacting is accomplished by circulating said composition through said spray-coating device [paint delivery installation].
8. (Original) The method of claim 1 wherein said uncured solvent-based paint comprises one or more resins selected from the group consisting epoxy resins, polyether resins, polyacrylate resins, polyurethane resins, polyester resins, and melamine resins.
9. (Original) The method of claim 1 wherein said composition comprises 50 to 80 weight % ketone, 1 to 15 weight % aromatic hydrocarbon, 1 to 10 weight % ester, 1 to 20 weight % alcohol, 5 to 25 weight % aliphatic hydrocarbon, and 0.2 to 3 weight % of said polymer.
10. (Original) The method of claim 1 wherein said polymer contains at least three functional groups per molecule selected from the group consisting of carboxylic acid groups, salts of carboxylic acid groups, and combinations thereof.
11. (Original) The method of claim 1 wherein said polymer contains at least three functional groups per molecule selected from the group consisting of phosphoric acid groups, salts of phosphoric acid groups, and combinations thereof.
12. (Original) The method of claim 1 wherein said polymer contains at least three functional groups per molecule selected from the group consisting of amine groups, salts of amine groups, and combinations thereof.

Serial No. 10/840,137

Art Unit: 1746

13. (Original) The method of claim 1 wherein said polymer has a number average molecular weight of at least 500.
14. (Original) The method of claim 1 wherein said polymer contains both at least one acid group or salt thereof and at least one amine group or salt thereof per molecule.
15. (Previously Presented) A method for flushing an uncured solvent-based paint from a paint delivery installation, said method comprising contacting said uncured solvent-based paint with a composition containing less than about 5_weight percent water and comprising one or more organic solvents and at least one polymer having functional groups selected from the group consisting of acid groups, amine groups and combinations and salts thereof, wherein said at least one polymer is soluble in the organic solvents and acts as a stabilizer or dispersant for pigment in the uncured solvent-based paint, for a time and at a temperature effective to disperse and remove said uncured solvent-based paint from said paint delivery installation.
16. (Previously Presented) The method of claim 15, wherein said polymer contains both at least one acid group or salt thereof and at least one amine group or salt thereof per molecule.
17. (Previously Presented) The method of claim 16 wherein at least one acid group or salt thereof comprises salts of acid groups in the form of alkyl ammonium or alkanol ammonium salts.
18. (New) The method of claim 15, wherein said paint delivery installation is paint line, valve, regulator, color exchange device, pump, tank or sprayer.
19. (New) A method of painting substrates with frequent changes between different

Serial No. 10/840,137

Art Unit: 1746

paints wherein said paints are delivered via a spray-coating device, said method comprising:

- a) delivering a paint to a substrate via a spray-coating device;
- b) changing to a different paint for delivery via said spray-coating device; and
- c) flushing said spray-coating device between step a) and step b) with a composition containing less than about 1 weight percent water and comprising:
 - 1) one or more organic solvents and
 - 2) at least one polymer dissolved therein having functional groups selected from the group consisting of acid groups, amine groups and combinations and salts thereof

for a time and at a temperature effective to disperse uncured paint residue from step a) in said composition for removal from said a spray-coating device.